

Boron-11

element name - mass number

proton $\rightarrow p^+$

neutron $\rightarrow n^0$

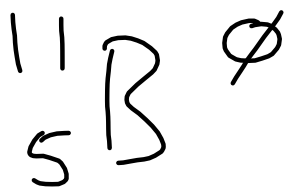
electron $\rightarrow e^-$

$$\text{mass number} = p^+ + n^0$$

$$11 = 5 + n^0$$

$$n^0 = 6$$

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$$\text{Charge} = p^+ + e^-$$

example:

$$\text{charge} = +6 + (-6) = \emptyset$$